

Results: North American QSO Party, CW — January 2023

It doesn't get much better than that!

This was a commonly made statement by operators in their 3830score.com postings following the January 2023 running of the North American QSO Party, CW. Increased sunspot activity and quiet low-band conditions made for an excellent situation on all bands — 10 through 160. Despite there being slightly fewer submitted logs than a year ago, many more QSOs were made overall. Of the 1,218 logs submitted, more than 465,000 QSOs were reported. This was 30,000 QSOs more than last January. Nearly 50,000 QSOs were made on 10 meters alone, which was a huge jump over the 13,000 total in January 2022. The net result of the excellent conditions was a record-breaking score in every category but one, with many state and provincial records falling as well.

Single-Operator Low Power

Steve, N2IC, repeated his win from a year prior from his New Mexico station and blew away the Single-Operator Low Power record in the process, turning in more than 2,400 QSOs and 300 multipliers. Imagine averaging a 240/hour QSO rate for the entire contest! N9RV also topped 2,000 QSOs to repeat a second-place finish in the January event. The Mountain time zone seemed to be a pretty good place to operate this time around, with KL9A, operating as KM7W, finishing third, and KØEU in Colorado fourth. It's noteworthy that Chris, KL9A, nearly made 2,000 QSOs with just a Spiderbeam at 35 feet and wires for the low bands. The remainder of the Top 10 all made more than 1,500 QSOs, and included stations across North America, from Tom, W2SC, remotely piloting his brand new station in Barbados, to Tree, N6TR, in Oregon who has been proven to be a quick 2BSIQ (Two Bands, Synchronized

Single-Operator Unassisted Top 10

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
N2IC	745,668	2421	308	98/37	294/54	500/56	566/58	602/58	361/45
N9RV	660,024	2136	309	93/41	253/48	389/56	449/56	518/58	434/50
KM7W (KL9A)	570,392	1927	296	93/42	198/48	302/52	401/50	548/54	385/50
KØEU	500,815	1745	287	112/41	197/51	298/50	467/57	454/54	217/34
8P5A	478,060	1804	265	17/15	117/33	376/49	413/56	482/54	399/58
WØUA	450,519	1713	263	74/37	172/43	360/48	498/56	431/45	178/34
N6TR	445,924	1702	262	14/9	151/42	295/50	440/59	487/52	315/50
WJ9B	440,684	1682	262	60/24	219/46	315/49	398/53	439/48	251/42
N4OGW	414,901	1531	271	166/40	338/48	342/54	349/54	244/48	92/27
NAØN	409,464	1551	264	69/35	252/46	251/45	430/51	397/52	152/35

Single-Operator Unassisted QRP Top Five

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
W1UU	85,000	500	170	9/7	71/27	173/46	112/38	82/32	53/20
W6JTI	82,128	472	174	14/5	28/13	131/44	110/38	99/38	90/36
NR3Z	62,431	419	149	9/7	72/22	77/36	155/46	74/22	32/16
W8UE	61,160	440	139	0/0	10/8	171/45	158/52	78/22	23/12
NQ2W	51,623	361	143	0/0	65/31	105/41	75/28	64/22	52/21

Single Op Unassisted Youth (25 years old or younger)

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
N4JEH	38,860	335	116	0/0	0/0	114/43	165/41	35/20	21/12
AI5IR	4,988	86	58	0/0	0/0	34/21	19/15	24/15	9/7

Single-Operator Assisted Top 10

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
AA3B	630,036	1892	333	182/48	380/58	422/61	428/63	349/59	131/44
N5ZO	540,876	1644	329	34/25	135/57	337/64	407/63	443/64	288/56
K3WW	487,599	1519	321	69/31	290/60	420/62	377/63	261/59	102/46
VE3EJ	432,563	1409	307	143/43	261/50	278/56	338/60	253/53	136/45
N5RZ	422,241	1451	291	67/37	213/52	208/56	458/59	429/55	76/32
KY7M (@NA7TB)405,756	1156	351	101/49	177/60	177/64	198/65	182/59	321/54	
K3MM	400,180	1177	340	80/45	235/60	292/64	385/60	96/61	89/50
N3RD	399,900	1290	310	105/42	252/54	363/60	293/58	176/55	101/41
AD4EB	398,772	1254	318	140/47	291/59	283/62	367/63	110/56	63/31
NP2X (K9VV)	387,205	1295	299	45/25	151/52	246/58	265/58	353/61	235/45

Single-Operator Assisted QRP Top Five

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
W2GD	193,734	687	282	47/32	168/55	110/57	199/60	117/50	46/28
N9LQ	114,823	577	199	44/24	102/34	98/42	183/48	97/30	53/21
K4XL	81,174	489	166	49/22	123/36	190/49	43/21	55/23	29/15
W1WBB	56,120	305	184	32/20	58/31	55/42	60/40	73/31	27/20
N5YT	45,296	298	152	15/10	72/31	79/41	44/26	53/25	35/19

Single-Operator Assisted Youth (25 or younger)

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
WØAAE	262,305	1305	201	42/19	186/39	418/49	390/47	269/47	0/0
NJ4P (KC1KUG)184,580	839	220	78/36	212/50	277/50	202/52	63/27	7/5	
KN4VKW	19,012	196	97	8/7	32/21	75/28	67/29	8/7	6/5
W9HHX	12	4	3	0/0	0/0	4/3	0/0	0/0	0/0

Interleaved QSOs) learner.

Single-Operator QRP

The QRP unassisted category was led by W1UU, who finished, just ahead of W6JTI in second place. Frank battled some heavy weather in Northern California during the contest, with many trees down, but fortunately his antennas stayed in the air. NR3Z rounded out the top three, just beating W8UE by less than 1,500 points.

Single-Operator Low Power Assisted

AA3B remains undefeated in the new low power assisted category with another dominant entry, breaking his own record in the process. Despite being unable to maintain the 10- and 15-meter rates of stations in the western part of the country, Bud was more than able to make up the shortfall in low-band QSOs. Marko, N5ZO, repeated his second-place finish, as he did in both 2022 events. Rounding out the Top Five were K3WW, VE3EJ, and N5RZ.

Interestingly, it seems that the top unassisted and assisted categories use different strategies. While most in the Top 10 unassisted stations operated 2BSIQ, most of those in the assisted category operated classic Single-Op, Two-Radio (SO2R), with only one run radio, and a second dedicated primarily to calling other stations. This makes sense, especially on CW, with *Skimmer* spots painting a picture of activity across the bands. Simply based off the Top 10 scores of both categories, there is probably some ratio where an Assisted operator should mix 2BSIQ with classic SO2R to maximize rate and subsequent score.

Single-Operator Assisted QRP

John, W2GD, primarily searched and pounced his way to a record-breaking score and win in this category. N9LQ and K4XL finished second and third, respectively.

Multi-Two

A milestone was reached in the

Multi-Two category by the crew at ND7K, which broke 1,000,000 points for the first time in this contest. The team quite nearly broke 3,000 QSOs

and apparently swept the bands clear of QSOs and available multipliers. The perennially top-finishing team at W2FU came quite close to breaking

Multi-Two

Call Sign	Score	QSOs	Mults	160	80	40	20	15	10
ND7K (@N6WIN)	1,089,525	2985	365	127/50	422/61	751/64	649/65	630/65	406/60
W2FU	974,520	2707	360	276/54	592/60	656/65	527/65	449/64	207/52
VA2WA	672,282	1989	338	192/47	288/59	494/61	466/64	362/61	187/46

Team Scores

1. AOCC Claim Jumpers	2. Big Sky Contesters-Bitterroot	3. FRC Team Charlie
N2IC 745,668	N9RV 660,024	AA3B 630,036
KY7M 405,756	KM7W 570,392	K3WW 487,599
N4ZZ 372,783	KØSN 341,334	N3RD 399,900
K8IA 341,925	K7QA 278,721	N3AD 221,407
K6LL 332,220	N7IP 147,616	W2GD 193,734
Total 2,198,352	Total 1,998,087	Total 1,932,676

Team

4. PVRC Uno
5. CCO #1
6. GM Downhill Racers
7. The Zoomers
8. W1YL Memorial-1
9. SCCC #1
10. SMC Team Guinness
11. TCG FIDDLES
12. Team Austin
13. Deep Dixie CC Kudzu
14. FRC Team Alpha
15. MWA 1
16. YCCC SFI 209
17. Deep Dixie CC Grits
18. W1YL Memorial-2
19. W1YL Memorial-3
20. MWA 2
21. AOCC Desperados
22. ACG Team #1
23. SMC Team Stella Artois
24. W1YL Memorial-4
25. PVRC Dos
26. Remembering W7OM #1
27. NCCC Team #1
28. FRC Team Echo
29. SFCG1 Devastators
30. PVRC Blue Ridge
31. GM Ski Jumpers
32. KCCC
33. FRC Team Delta
34. AOCC Renegades
35. W1YL Memorial-5
36. Oh say can you key
37. CCO #2
38. SCCC #2
39. Deep Dixie CC Mimosa
40. Aurora Busters
41. KCG #1
42. NCCC Team #3
43. PVRC Tres
44. MRRC/NCC Team Two
45. NCCC Team #2
46. Big Sky Contesters-Absaroka
47. W1YL Memorial-8
48. YCCC PTers
49. MWA 3
50. MRRC/NCC Team One

Operators

Score
1,794,652
1,739,567
1,661,059
1,642,884
1,543,714
1,534,248
1,375,935
1,336,724
1,256,729
1,119,767
1,030,938
1,029,320
1,014,193
969,232
968,139
943,404
918,497
823,507
781,438
736,819
720,892
720,043
716,458
690,406
667,428
649,120
648,475
639,494
595,770
587,373
584,091
579,878
557,343
552,476
550,803
545,218
545,090
527,774
512,178
511,033
494,609
484,248
465,395
437,957
420,942
420,418
419,761

a million points themselves, taking second. VA2WA probably made a lot of people happy by handing out the semi-rare Quebec multiplier on the way to a third place finish.

Additional Thoughts

To a contesting newcomer, seeing such huge scores may be intimidating. How is it even possible

to maintain a rate of 150 QSOs per hour over 10 hours? With just wire antennas, how can anyone even be competitive? With the increase in solar activity, you can make a lot of QSOs easily with simple antennas. The NAQPs are pretty unique in that low power only makes it easier to engineer a second radio into the mix with fewer receiver overload issues.

One suggestion would be to add a second radio if you're only using one. Low-power triplexers are reasonably priced, or you can simply add a temporary dipole or vertical for the second radio. The CWops tests (CWTs) held every Wednesday provide an excellent weekly opportunity to practice with a second radio. There has been a large increase in operators using the 2BSIQ technique, and most have refined their skills by operating in the CWTs. Simply try to better your score from the last contest. Form a team with some friends and have a friendly competition. The NAQPs are a great contest for beginning and experienced ops alike.

One caveat with the CWTs, however, is that there is no adjudication in those events so many operators simply rely on their logging software's pre-fill data. This is a dangerous thing to do in the NAQPs, however, because many operators from time to time use a name that's different from the pre-fill data. This inevitably results in busted QSOs during log checking —and subsequent score reduction. So, while the CWTs are a fantastic way to improve skill, always make sure to *copy and log what is being sent*.

If anyone would like a copy of their log-check report (LCR) from the NAQP CW, email me, and I will reply with your report. Include your call sign in the email.

51. SMC Team Dos Equis	K9PW, NXØI, W9QL, WD9CIR, AA8R	411,806
52. NFR Waterfalls	K2NV, NS2N, K2QO, K2QB	393,092
53. TCG DOBROS	W4RM, N6NT, K3IE, W3TB	391,266
54. Team Houston	W2RQ, WØVX, K5BG	382,636
55. W1YL Memorial-6	NN4NN, N8KH, K4EJ, K3WT, K2SG	377,989
56. SFCG2 Penetrators	AA5JF, KY4GS, KG4IGC, N4QI, K7OM	372,629
57. DZC 2023 CW NAQP	KX9RT, W9JFK, W9ET, KF9VV, KD9DZT	338,753
58. KCG #2	ND4Y, K4FN, W4ZXT, K4TZ, N4JRG	321,866
59. Remembering W7OM #2	N7WA, KC7EFP, WA7CPA	319,780
60. TDXS	K5TU, KG5U, K5GQ, K5GN, AJ4F	294,667
61. FRC Team Foxtrot	K3QP, N2HMM, K2PJC, NF3R	280,545
62. GM Show boarders	WØCO, KØUK, WØPSY, KØAV	269,434
63. YCCC Team Connecticut	K1EBY, K1IB, W1JQ	267,863
64. FRC Team Bravo	W3RGA, N3NR, N2EY, K17WX	264,635
65. NFR Rapids	N2MF, K2ZR/4, WB2WPM, NN2NN, W2DXE	260,507
66. MCC Team #1	VE9XX, VE9VIC, VE9HF, KO1H, VE9AA	247,441
67. W1YL Memorial-7	W3US, KT3T, W4LT, KM4HI, K1TN	228,118
68. Bristol Dipoles	N4DW, AA4DD, K4DR, KT4O	226,582
69. NCCC Team #4	K9JM, WU6X, N3RC, N6TTV, KI6OY	219,638
70. Team Bowie	N5XE, W5JK	216,842
71. MWA 4	KØPK, NØKK, W6GMT, KØQEI	207,724
72. MRRC/NCC Team Three	N8AA, K8BL, K8RR, W8RU	205,419
73. TDXS2	N5XZ, K5TIA, K5IZO, N5DTT	187,565
74. Yes, DC is a Multiplier	AC5XK, NN3RP, WN3F	185,214
75. NCCC Team #5	W1RH, K6NV, WU7W, NF6R	180,118
76. Boiled Owls	WB2NFL, K2RB, W2JV, N2GA	158,938
77. NEMARC RED Team	N3FZ, N3FJP, K3TEF	141,948
78. TCG GUITARS	WØAG, K3FH, N9TF, WF4I	141,917
79. SMC Team Heineken	W9NXM, AB9YC, WE9R	137,984
80. Big Sky Contesters Beaverhd	W7XT, K7ØP, WN7Y	137,410
81. Boiled Owls II	K2LE, KS2G, W2YK	130,427
82. Metro Mutts	W9ILY, WA9LEY, NV9X, N9TK	129,401
83. Team Travis	K5CI, W8OV, N5WNG	121,620
84. W1YL Memorial-9	K4FU, KU1T, K4RFK, KQ4Y, KO4DN	121,608
85. Braille Team #1	K5XU, N4JEH, KW3A	121,480
86. GM Colo. bobsled team	NNØG, KFØUR	96,564
87. SMC Team Samuel Adams	K9LA, K9DUR, KC9EE, K9XR, KC9EOQ	95,691
88. LAKERS	KD2KW, K5YX, AC5EZ	76,764
89. Bell Labs DSP Geezers	NG2J, K3SW	74,479
90. TCG MANDOLINS	K4AL, K4DXV, WM4Q, KA4OTB	73,560
91. Braille Team #2	KB8TYJ, K1EIC, N1UMJ	65,142
92. KCG #3	N4UL, K4AVX, KJ4AOM, AB4IQ	63,852
93. MRRC/NCC Team Four	NF8M, AB8OU, KN8CWO	61,880
94. Cornwall	AB3AI, KA3D, N3CU, KN3A	59,040
95. ACG Team #2	N4NM, K4WI	57,773
96. ToBoMo	W4GHV, WZ4M, KJ7MEB	43,603
97. MWA 5	KØVG, WØZF, KØTLG, KØSV	39,835
98. Metro Pups	K9CS, K9GA	39,666
99. MCC Team #2	VY2LI, VY2DP	34,264
100. NEMARC BLUE Team	WC3N, KC3SVR, KE3GK	31,797
101. Deep Dixie CC Steamboat	K4AFE, AA5W	30,324
102. AOCC Wild Bunch	N7GP, N9NA	30,144
103. NFR Whirlpools	W2VM, KA2WIK, WB2AIV	28,593
104. CCO #3	VE3KTB, VA6RCN	26,235
105. NCCC Team #6	WK6I, KA6W, KF6NCX, K6XX, W6RKC	22,012
106. SCCC #3	NE6I, N6GP	21,707
107. Eastern Ohio Contesters	WA8ZNC, W8TMT, KE8E	13,617
108. Fort Myers ARC	K4RAB, N8GU	1,860

Single Operator Scores

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
K1TR	333,707	1319	253	NH	K3TN	41,261	341	121	MD	K4BX	35,868	294	122	TN
W1KM	291,074	1223	238	MA	WB8YYY	38,624	284	136	MD	K4HQK	34,155	297	115	VA
K1VUT	222,640	1012	220	MA	NS3T	27,948	274	102	MD	*K4PQC	33,000	250	132	GA
KA1IS	209,745	885	237	ME	*W7LG	22,422	222	101	PA	N9TF	32,512	256	127	TN
K1RO	208,962	893	234	NH	*KW3A	19,260	180	107	PA	N4GG	31,460	286	110	GA
K5ZD	200,970	870	231	MA	N3GJ	16,625	175	95	PA	W4DAN	30,174	282	107	TN
W1QK	194,246	806	241	CT	*KC3NDU	12,367	149	83	PA	WS6X	29,889	243	123	VA
W1FJ	163,530	790	207	MA	WR3R	11,583	143	81	MD	N5TOO	27,835	293	95	GA
K1IB	106,977	633	169	VT	*WB3DPS	10,080	140	72	PA	AB3AI	27,136	256	106	GA
K1XM	100,965	635	159	MA	N3CU	9,438	121	78	PA	K4DR	26,600	266	100	TN
AA1ON	96,316	484	199	MA	AA2AD	8,763	127	69	PA	WA3LXD	24,840	207	120	FL
WO1N	94,350	510	185	MA	N5TB	8,192	128	64	MD	W4KAZ	24,420	222	110	NC
*W1UU	85,000	500	170	MA	K3STX	7,137	117	61	MD	W4XK	23,937	237	101	TN
WW1ME	49,679	329	151	ME	*NK1N	6,783	133	51	PA	WD4CFN	23,587	229	103	TN
N1CGP	31,878	253	126	ME	N3HRO	5,500	100	55	PA	W5VS	23,408	209	112	VA
W1JQ	28,910	245	118	CT	WC3O	4,064	127	32	PA	K4TZ	22,908	249	92	KY
*W1IG	22,248	206	108	CT	WA3GM	4,018	98	41	PA	W4GHV	22,826	202	113	NC
*KO1H	21,293	199	107	ME	K3NK	3,358	73	46	PA	WF4I	22,464	208	108	NC
N1MGO	18,912	197	96	MA	KB3LNP	3,312	72	46	PA	W1AJT	22,080	230	96	NC
K1EIC	17,706	227	78	CT	*KA3TTT	2,546	67	38	PA	N4UL	21,105	201	105	KY
AJ1DM	15,225	175	87	RI	W3PAX	2,360	59	40	PA	K4WI	20,384	196	104	AL
W1END	13,031	157	83	NH	N3JNX	1,664	52	32	PA	N4QI	19,623	211	93	SC
*K1MZM	4,841	103	47	VT	KN3A	1,470	49	30	PA	K4AVX	19,570	206	95	KY
W1VIV	4,185	93	45	MA	N3WMC	1,215	45	27	PA	W4WWQ	18,914	193	98	VA
W1FWS	2,904	66	44	ME	KC3MAL	962	37	26	DE	KE4Q	18,600	200	93	FL
W1ZU	1,600	50	32	VT	KE3GK	810	30	27	MD	WZ4M	18,240	190	96	NC
K1SX	1,600	50	32	MA	K3RW	792	33	24	PA	K1TN	16,109	181	89	FL
W1MJ	1,540	44	35	MA	K3ISH	630	30	21	PA	KJ4AOM	14,924	164	91	KY
K1AV	1,519	49	31	RI	*K3MD	391	23	17	PA	KB3FW	14,790	170	87	SC
K1LHO	1,363	47	29	CT	WA3RSR	255	17	15	MD	W7GKF	14,240	178	80	FL
KA1C	999	37	27	ME	*WD8RYV	208	16	13	PA	K3YDX	13,140	146	90	NC
KB1FGC	378	27	14	CT	N3FEL	135	15	9	PA	K7OM	12,684	151	84	SC
NA1CW	352	22	16	CT						W3TB	12,496	142	88	TN
N1UMJ	132	12	11	MA	N4YDU	369,145	1393	265	NC	NN4SS	10,658	146	73	SC
WA1YGT	80	10	8	ME	N4AF	339,598	1337	254	NC	N3GD	10,508	142	74	FL
N2MF	187,712	838	224	NY	NN7CW	304,776	1224	249	FL	AC4G	9,768	132	74	TN
W2RQ	178,640	812	220	NJ	K7SV	296,010	1170	253	VA	NC4S	8,700	116	75	NC
AA2EQ	65,736	396	166	NY	K0EJ	292,320	1160	252	TN	AB4IQ	8,253	131	63	KY
WB2NFL	62,436	363	172	NY	W4WF (@N4WW)	229,390	1015	226	FL	W4PJW	6,667	113	59	VA
NS2N	62,046	383	162	NY	K4AB	218,020	991	220	AL	N4IU	6,208	97	64	FL
W2XL	60,952	401	152	NY	K4BAI	208,110	991	210	GA	KT4O	5,900	100	59	TN
*NQ2W	51,623	361	143	NY	N4OX	187,068	786	238	FL	W8XC	5,768	103	56	GA
WB2FUV	38,674	317	122	NY	N4OO	181,818	819	222	GA	K8SYH	5,358	94	57	VA
WA2JQK	36,567	239	153	NY	K1GU	177,390	810	219	TN	N1XI	5,035	95	53	NC
KD2EPM	18,200	200	91	NJ	KU8E	173,130	870	199	GA	WF3T	5,035	95	53	KY
*K2AL	17,928	216	83	NJ	N4KS	169,664	964	176	FL	*N4KGL	4,836	93	52	AL
KA2FIR	16,833	181	93	NJ	K8MR	157,500	750	210	FL	K0VW	4,802	98	49	GA
W2VM	13,984	184	76	NY	W8FN	156,418	794	197	NC	K2HYD	4,400	80	55	VA
KA2WI	12,705	165	77	NY	W4SPR	146,985	717	205	FL	K5WP	4,365	97	45	AL
KN2U	12,012	156	77	NJ	N4TB	145,386	738	197	FL	W4ZGR	3,978	78	51	FL
WB2PJH	10,000	125	80	NJ	KQ4R	127,792	652	196	FL	NA4C	3,619	77	47	TN
*K2WW	8,174	122	67	NY	K8PO	127,194	731	174	AL	W4MPS	3,500	100	35	NC
KC2WUF	7,215	111	65	NJ	N6NT	122,607	717	171	NC	K4YCR	3,500	70	50	VA
W2DXE	7,137	117	61	NY	K4WW	116,937	639	183	KY	N3UA	3,492	97	36	VA
KR2D	5,980	92	65	NJ	WA1FCN	115,380	641	180	AL	N4EK	3,100	62	50	FL
K2MN	5,238	97	54	NJ	K4PV	104,880	690	152	FL	N4XD	2,928	61	48	NC
*WA2NYY	5,200	100	52	NY	KM4FO	101,851	569	179	KY	KD4AN	2,912	91	32	NC
N2JJ	5,141	97	53	NY	K2DM	96,738	701	138	FL	*W8DXU	2,904	66	44	SC
WB2KWC	4,704	96	49	NY	N3CKI	79,218	489	162	NC	K4BRU	2,774	73	38	NC
W2YK	4,399	83	53	NY	N4UC	77,000	500	154	AL	N4DJ	2,622	57	46	VA
W2LC	3,528	98	36	NY	K4EJ	70,720	442	160	FL	*WR4I	1,890	54	35	VA
KX1W	2,728	62	44	NJ	AA4DD	65,352	389	168	TN	KQ4Y	1,750	50	35	FL
K7RB	2,691	69	39	NY	K4FU	65,016	387	168	FL	W4MRF (N4RZ)	1,728	48	36	KY
AI2U	2,160	60	36	NY	WE5P	64,160	401	160	KY	*WC4J	1,550	50	31	VA
WB2AIV	1,904	56	34	NY	K3IE	63,395	409	155	TN	NE4EA	1,518	46	33	SC
KB2MN	1,692	47	36	NJ	K4AL	62,712	402	156	TN	W4MY	1,485	45	33	NC
W2CN	1,682	58	29	NJ	W7IY	61,320	420	146	VA	N8AID	1,400	50	28	VA
W2KU	459	27	17	NJ	K2PS	59,394	521	114	FL	NN4RB	1,272	53	24	VA
W2JEF	425	25	17	NY	K4QPL	56,826	369	154	NC	W4UK	1,269	47	27	SC
K3WHD	270	18	15	NY	K3PI	55,818	443	126	NC	K4RAB	1,260	42	30	FL
N2XY	132	12	11	NY	WA8OJR	54,766	394	139	SC	K1NA	1,248	48	26	AL
*KD2MU	126	14	9	NY	K4MI	54,460	389	140	VA	N3WM	897	39	23	VA
					W4YE	54,416	358	152	VA	W8WZ	840	35	24	NC
W3FV	178,772	748	239	PA	N4CF	54,058	358	151	VA	K7LU	783	29	27	VA
K3AU (K2YWE)	149,952	781	192	MD	KB4CG	51,435	381	135	VA	*K14MZC	621	27	23	GA
K3UA	148,596	812	183	PA	WØAG	47,596	326	146	TN	N8GU	600	30	20	FL
K3UL	138,648	654	212	PA	K3WA	47,334	322	147	NC	K4GSX	561	33	17	GA
K3WU	137,856	718	192	PA	W3SA	45,825	325	141	NC	N2DA	504	24	21	VA
NC3Y	103,973	601	173	MD	KA3MTT	41,664	372	112	KY	KQ3K	460	23	20	FL
N8NA	83,790	490	171	DE	W4ZXT	41,344	323	128	KY	KO4AWC	368	23	16	AL
N2EY	73,080	504	145	PA	K4ORD	40,963	299	137	VA	KC2KWA	304	19	16	NC
N3FR	63,210	430	147	PA	N9NB	40,595	353	115	VA	N4LZ	224	16	14	FL
*NR3Z	62,431	419	149	PA	N4JEH	38,860	335	116	GA	N4JRG	200	20	10	KY
WA3FAE	57,000	380	150	MD	N4NM	37,389	309	121	AL	KO4DN	108	12	9	FL
K3KU	49,440	412	120	MD	K4FTO	36,584	269	136	VA	W4CWA	88	11	8	NC

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
N4DL	55	11	5	FL	NU6N	9,588	141	68	CA	KC4CR	198	18	11	OR
KN4SYO	20	5	4	VA	NE6NE	9,271	127	73	CA	KL7FDQ	196	14	14	WA
*KJ4ASE	16	4	4	VA	K6FA	8,346	107	78	CA	W7TX	180	15	12	ID
NC4GK	9	3	3	NC	N6XI	6,048	112	54	CA	K7GZP	30	6	5	OR
NF6R					WA7BNM	6,039	99	61	CA	KD7ZVQ	12	4	3	WA
N2IC	745,668	2421	308	NM	KA6W	5,880	98	60	CA	NA8V	317,178	1206	263	MI
N4OGW	414,901	1531	271	MS	K6CSL	3,888	81	48	CA	N8II	281,750	1150	245	WV
K5PI	388,960	1430	272	TX	KF6NCX	3,525	75	47	CA	W1NN	177,289	817	217	OH
N5AW	315,880	1192	265	TX	N6YEU	3,500	70	50	CA	W8WTS	114,465	587	195	OH
KZ5D	286,140	1140	251	LA	W6JBR	3,444	84	41	CA	N8AA	103,224	552	187	OH
WQ5L	284,380	1180	241	MS	K6XX	3,264	64	51	CA	K8RYU	91,816	499	184	OH
N5EE	268,191	1161	231	AR	W6RKC	3,036	66	46	CA	K8MP	84,108	489	172	OH
W0UO	258,324	1133	228	TX	N5KO	2,065	59	35	CA	KV8Q	82,099	551	149	OH
K5WA	253,164	1156	219	TX	KA6SL	1,924	52	37	CA	N8LR	70,376	463	152	MI
K5TU	184,962	1063	174	TX	W7TR (KH2TJ)	1,922	62	31	KH6	N8FYL	68,544	448	153	MI
N5UM	174,512	839	208	OK	W7W	1,881	57	33	CA	AA8IA	61,537	413	149	OH
KM5G	163,999	877	187	AR	W6SY	1,708	61	28	CA	*W8UE	61,160	440	139	MI
N5JJ	139,552	784	178	TX	W1SRD	1,225	49	25	CA	N8PE	59,901	487	123	OH
K5TA	134,984	718	188	NM	N6DVS	930	31	30	CA	WA1UUJU	54,060	318	170	MI
N5XE	121,766	569	214	OK	K6GPB	858	33	26	CA	K8RGJ	53,130	385	138	OH
N5XZ	107,352	639	168	TX	N6GP	700	28	25	CA	KB8TYJ	47,304	324	146	MI
WY6K	106,758	659	162	TX	N6AA	663	39	17	CA	KB8PGW	42,837	327	131	MI
WOTG	104,832	504	208	TX	KM6HB	340	20	17	CA	KE8PX	37,296	296	126	OH
WA8ZBT	89,380	545	164	TX	*KB6Q	165	15	11	CA	KB8GAE	33,528	264	127	OH
WA5SOG	85,345	505	169	AR	*KA6AIL	90	10	9	CA	W1PD	29,070	255	114	OH
N5TJ	83,898	474	177	TX	W7H	70	10	7	CA	WB8MIW	27,948	274	102	MI
K5XU	63,360	396	160	MS	NF8M					NF8M	26,180	220	119	MI
KD2KW	57,900	386	150	TX	NE8O					NE8O	23,278	226	103	MI
KD5DD (NN5O)	51,213	397	129	MS	K7DR					K7DR	23,180	244	95	MI
KG5U	51,062	422	121	TX	W8V					W8V	22,260	212	105	MI
K5BG	45,900	425	108	TX	N8SBE					N8SBE	21,978	222	99	MI
W8OV	42,624	296	144	TX	N8TCP					N8TCP	21,500	215	100	OH
N9NM	34,846	266	131	TX	N8HKG					N8HKG	21,090	185	114	OH
WA5BDU	29,766	246	121	AR	N8RGG					N8RGG	14,964	172	87	MI
K5GQ	28,798	238	121	TX	N8VBA					N8VBA	14,200	200	71	OH
KF9LI	27,280	220	124	TX	N8WMT					N8WMT	11,259	139	81	MI
K5GN	27,016	307	88	TX	W3CB					W3CB	9,522	138	69	OH
K5LY	25,724	236	109	TX	WB8JAY					WB8JAY	8,946	142	63	OH
KD5J	25,636	221	116	AR	WB8KNO					WB8KNO	8,040	134	60	OH
N5KWN	18,612	198	94	TX	N8TCP					N8TCP	6,160	110	56	OH
K5YX	17,280	180	96	TX	N8DNA					N8DNA	5,096	91	56	OH
K5IX	16,376	178	92	TX	N8RZ					N8RZ	3,053	71	43	WV
A15A	16,100	175	92	TX	N8WZM					N8WZM	2,201	71	31	MI
*AA5KD	15,222	177	86	OK	AC8PL					AC8PL	2,135	61	35	OH
WA5LFD	12,320	140	88	TX	W8LRJ					W8LRJ	1,406	38	37	OH
W5RJJ	10,795	127	85	NM	N8DNA					N8DNA	1,247	43	29	MI
N5NU	9,750	130	75	TX	N8RGG					N8RGG	1,150	50	23	MI
AE5MM	9,288	129	72	OK	N8VBA					N8VBA	1,100	44	25	OH
K5RT	9,185	167	55	TX	N8WMT					N8WMT	1,035	45	23	OH
K5IZO	6,958	98	71	TX	KE8GC					KE8GC	855	57	15	MI
WB5K	6,771	111	61	TX	N8RZ					N8RZ	851	37	23	OH
KA5M	5,838	139	42	LA	N8WZM					N8WZM	560	28	20	MI
AA5W	5,684	98	58	TX	AC8PL					AC8PL	504	24	21	MI
*AI5IR	4,988	86	58	TX	W8LRJ					W8LRJ	475	25	19	OH
NC5G	3,510	65	54	TX	N8DNA					N8DNA	195	15	13	OH
*WA5RML	3,444	84	41	TX	N8RGG					N8RGG	144	16	9	MI
AJ4F	2,829	69	41	TX	N8VAB					N8VAB	136	17	8	WV
WW5W	2,772	66	42	TX	N8WZM					N8WZM	96	12	8	OH
KA4OTB	1,911	49	39	AR	KE8IK					KE8IK	56	8	7	OH
AC5EZ	1,584	48	33	TX	N8WZC					N8WZC	1	1	1	OH
K7ZYV	1,092	39	28	MS	N8E					N8E	223,648	928	241	WI
N5DTT	943	41	23	TX	K9MA					K9MA	206,528	922	224	IN
N5REL	725	29	25	TX	K9WX					K9WX	203,708	802	254	IL
WX5SR	638	29	22	OK	K9NR					K9NR	99,369	543	183	IL
KI5PGL	486	27	18	TX	W9ZNC					W9ZNC	80,196	489	164	IL
*KJ5T	88	11	8	TX	WD8DSB					WD8DSB	77,922	481	162	IL
AE6Y	235,948	967	244	CA	K9QL					K9QL	77,402	458	169	IN
K6NR	216,832	968	224	CA	K9W					K9W	75,312	523	144	WI
N3ZZ	173,231	821	211	CA	K9V					K9V	75,306	462	163	IL
KH6TU (AD6E)	167,660	830	202	KH6	K9WA					K9WA	70,040	412	170	IL
N6AA	143,312	676	212	CA	K9WDF					K9WDF	66,960	496	135	WI
AA6PW	122,040	678	180	CA	N9XX					N9XX	64,896	416	156	IL
AJ6V	120,668	622	194	CA	WD9CIR					WD9CIR	60,800	400	152	WI
K9JM	118,193	653	181	CA	W9F					W9F	50,494	406	149	IL
AA6AA (@W6UC)	113,928	564	202	CA	N9LJX					N9LJX	33,672	276	122	IL
W6ZL	113,344	704	161	CA	W9NY					W9NY	32,095	245	131	IL
N6US	95,200	544	175	CA	K9LA					K9LA	26,656	224	119	IN
*W6JTI	82,128	472	174	CA	K9UIY					K9UIY	25,620	244	105	IN
W6AYC	81,663	501	163	CA	K9BGL					K9BGL	25,511	263	97	IL
KH6AQ	76,500	510	150	KH6	W9FY					W9FY				
N6PN	42,336	294	144	CA	W7GB					W7GB				
N3RC	28,188	243	116	CA	W7MTL					W7MTL				
WA6URY	19,712	176	112	CA	KE7AUB					KE7AUB				
N6TTV	15,295	161	95	CA	K7ARJ					K7ARJ				
KT5LA	11,352	132	86	CA	W7OXB					W7OXB				
KC8J	11,097	137	81	CA	W7DLR					W7DLR				
WK6I	10,480	131	80	CA	N7AO					N7AO				

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
NV9X	17,860	190	94	IL	KØTC	45,014	317	142	MN	VE9HF	48,776	364	134	NB
K9XR	16,287	183	89	IL	N9HDE	44,634	346	129	IA	VE3AQ	43,815	345	127	ON
WB9UGX	15,180	165	92	IL	K9DU	43,660	295	148	MN	VY1CO	35,599	367	97	YT
N9DJ	11,242	154	73	IL	KFØUR	36,084	372	97	CO	VA3FN	30,866	253	122	ON
K9CW	11,200	140	80	IL	NØGN	33,855	305	111	NE	VY2LI	28,600	275	104	PE
KØPG	10,912	124	88	IL	KØTG	30,888	286	108	MN	*VE3SIF	28,520	248	115	ON
KC9IL	9,348	164	57	IL	KØAD	28,910	295	98	MN	VE3FH	24,500	250	98	ON
W9TC	9,028	122	74	IN	KØEA	20,806	206	101	MN	VE7CV	23,002	217	106	BC
WB9VGO	8,120	116	70	IL	WDØT	20,169	243	83	SD	VE3ZY	18,312	218	84	ON
K9GA	7,571	113	67	IL	ACØE	19,646	209	94	KS	VE3TW	17,600	176	100	ON
K9CC	7,192	124	58	IL	AEØEE	19,608	258	76	MN	VA4JP	14,320	179	80	MB
W9DZ	6,554	113	58	IN	NIØK	18,054	177	102	MN	*VE2ZAZ	11,692	158	74	QC
K9ACM	6,466	106	61	IL	WØYJT	16,650	185	90	KS	VA3IJK	11,172	147	76	ON
KX9DX	6,440	140	46	IN	WØUY	16,340	172	95	KS	VE7IO	7,705	115	67	BC
W8NWG	6,262	101	62	IL	WØZF	16,287	183	89	MN	*VE7NI	7,371	117	63	BC
*N9EEE	5,488	98	56	WI	WB9YLZ	13,024	148	88	MN	VA6RCN (VE3RCN)	7,128	108	66	AB
K9MMS	5,194	106	49	IL	WBØN	12,640	160	79	MN	VA7MM	6,486	94	69	BC
WA9LKF	5,047	103	49	IL	KMØO	11,060	158	70	MN	YV2DP	5,664	96	59	PE
N9TK	4,851	99	49	IL	W4IFI	10,293	141	73	CO	VE3BXG	4,876	92	53	ON
KW9A	4,346	82	53	IL	KYØO	9,842	133	74	MO	VA6BGE	4,717	89	53	AB
KC9AAP	3,996	74	54	IN	KV5Y	9,230	142	65	CO	VE3VIG	3,696	84	44	ON
KD9DZT	3,726	81	46	WI	WAØLIF	8,890	127	70	MN	VE3MM	3,024	108	28	ON
W9YS	1,836	54	34	IL	WA1FMM	8,500	125	68	CO	*VE3DQN	2,728	62	44	ON
K7CS	1,734	51	34	IL	AEØIB	7,548	102	74	MO	VE3QN	1,833	47	39	ON
KD9MS	1,624	56	29	IL	*KØQEI	6,930	99	70	MN	VE3PQ	1,696	53	32	ON
*AF9J	1,536	48	32	WI	KCØUJC	6,670	115	58	IA	VA7ZM	1,617	49	33	BC
W9DKB	1,408	44	32	WI	NØTJN	5,922	94	63	MN	VE3SST	1,519	49	31	ON
*K9BRS	960	40	24	IN	KØF	3,827	89	43	MN	VE3MDX	1,242	46	27	ON
K9WPV	414	23	18	IN	N9CD	3,350	67	50	MN	VE3HG	1,127	49	23	ON
WQ9T	384	32	12	IL	*NØNI	3,328	104	32	IA	VE3EP	1,064	38	28	ON
W9KHH	352	22	16	WI	AFØZ	3,312	72	46	MN	VE7AB	945	35	27	BC
NR9H	300	20	15	IL	KB9LLD	2,760	69	40	MO	VA3DKL	936	36	26	ON
W9SE	132	22	6	IL	WØZQ	2,409	73	33	MN	VE2VAB	891	33	27	QC
N9EDL	80	10	8	IN	KNØV	1,995	57	35	MN	VE9AA	672	42	16	NB
K9PG	9	3	3	IL	NØUI	1,180	59	20	MO	VA3OOL	648	27	24	ON
KJØP					VE7ARN	1,140	38	30	MN		644	28	23	BC
KØEU	500,815	1745	287	CO	NØTXW	1,120	40	28	MN	VE2ZT	357	21	17	QC
WØUA	450,519	1713	263	CO	KØKPH	820	41	20	NE	VE2OXP	340	20	17	QC
NAØN	409,464	1551	264	MN	KDØWUQ	460	23	20	ND	*VA3IF	195	15	13	ON
NØAT	290,696	1253	232	MN	N5LB	399	21	19	MN	VE3EDX	72	12	6	ON
ACØW	231,536	998	232	MN	WGØM	320	20	16	MN	VE7BGP	30	6	5	BC
KØPC	227,920	1036	220	MN	KD7GOM	204	17	12	CO	VA2YZX	9	3	3	QC
K7BG	226,765	1085	209	SD	*NØLMQ	156	13	12	MO					
WØZA	189,010	922	205	NE	*N2OG	110	11	10	CO	8P5A	478,060	1804	265	8P
A16O	165,300	870	190	MO	KØSV	100	10	10	MN	NP4Z	393,966	1527	258	KP4
ABØTX	154,525	883	175	KS	*NØSTP	65	13	5	MN	NP4DX (WB8JUI)	239,706	1158	207	KP4
WØIZ	148,248	852	174	CO						KP2M (KT3Y)	155,620	1004	155	KP2
KVØI	138,130	727	190	NE	VE3DZ	399,135	1353	295	ON					
WAØI	130,000	625	208	MO	VE3JM	337,896	1368	247	ON	PY2NY	25,443	257	99	DX
WØCO	115,740	643	180	CO	VE3VN	262,596	1108	237	ON	OK1OA	1,260	42	30	DX
KWØJ	107,238	586	183	IA	VE6TL	190,164	897	212	AB	PY3TD	1,100	50	22	DX
KØPK	106,704	513	208	MN	VA7ST	180,810	882	205	BC	CX1CAN	72	9	8	DX
KØMPH	103,428	612	169	MN	VE3YT	159,580	790	202	ON	JK1HIY	54	9	6	DX
N7WY	98,040	516	190	MO	VE3EY	143,600	718	200	ON	PY1KB	49	7	7	DX
KØUK	87,626	569	154	CO	VA1MM	130,339	697	187	NS	*JR1NKN	49	7	7	DX
NØBUI	81,466	529	154	MN	VE3CX	119,280	568	210	ON	JE1RZR	20	5	4	DX
NØKK	76,630	485	158	MN	VE3TM	118,064	628	188	ON	JF2FIU	4	2	2	DX
KAØPQW	70,686	459	154	MN	VE3MA	66,868	458	146	ON	JA8RWU	1	1	1	DX
WØFLS	56,832	444	128	IA	VE5GC	64,253	469	137	SK	BA3AX	1	1	1	DX
WJØW (KH6XX)	51,681	483	107	ND	VE3KP	59,888	394	152	ON					
NØUR	48,608	392	124	MN	VA3WB	56,826	369	154	ON	*QRP				
NØUY	46,046	299	154	MN	VE3KOT	52,780	377	140	ON					

Single-Operator Assisted Scores

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
NA1NA	334,825	1135	295	MA	W1DYJ	25,410	210	121	MA	AG2J	85,860	477	180	NJ
W1RM	209,825	763	275	CT	NB1N	20,907	207	101	MA	NJ1F	85,605	439	195	NY
AJ1AJ	166,448	808	206	NH	W1TO	18,165	173	105	MA	KA2K	83,640	408	205	NJ
K1EBY	131,976	702	188	CT	KE1VT	17,630	215	82	VT	N2HMM	80,073	369	217	NJ
NC1CC	112,125	575	195	RI	KB1NO	7,381	121	61	MA	N2CJ	72,446	407	178	NJ
KB1W	111,012	638	174	MA	KA2KON	3,796	73	52	NH	K2QO	59,778	369	162	NY
K2LE	110,860	482	230	VT	KB1VUN	3,375	75	45	NH	K2PJC	42,470	310	137	NY
K1MK (@K1TTT)	109,242	378	289	MA	K1JSM	2,275	65	35	RI	K2QB	37,788	282	134	NY
KW1X	97,237	479	203	MA	N1CEO	1,290	43	30	MA	NE2V	32,130	189	170	NJ
AK1MD	85,306	442	193	MA	AA1NK	169	13	13	MA	KC2LSD	19,584	192	102	NJ
K1RF	84,847	527	161	CT	N1IBM	90	10	9	VT	W2JV	19,008	192	99	NY
K1JB	79,838	418	191	ME						WB2NVR	17,664	192	92	NY
K1SM	68,470	410	167	MA	K2NV	233,480	898	260	NY	WB2WPM	16,340	190	86	NY
W1UJ	66,586	394	169	MA	WA2CP (KC2GOW)	178,922	653	274	NY	KS2G	15,168	158	96	NY
K2RB	60,844	371	164	CT	AB2E	177,320	682	260	NJ	N2EIM	15,010	190	79	NJ
*W1WBB	56,120	305	184	RI	N2RC	174,624	642	272	NY	AI2N	11,186	119	94	NY
AE1T	46,665	305	153	NH	K2RET	121,680	507	240	NJ	NN2NN	9,198	126	73	NY
K1BZ	43,175	275	157	ME	K3TS	114,490	535	214	NJ	K2ZC	4,160	80	52	NJ
K1ESE	43,070	295	146	ME	K4RUM	87,824	499	176	NY	NJ2OM	3,040	76	40	NJ
N1KM	32,750	250	131	RI	KE2D	87,200	436	200	NJ	WT2J	2,145	65	33	NY

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
KD2SGM	1,833	47	39	NJ	ND4Y	135,826	601	226	KY	WA5LXS	11,808	144	82	TX
W2MSA	1,080	45	24	NJ	WF7T	130,112	608	214	TN	N5UI	8,580	110	78	TX
N2WPT	117	13	9	NY	N4DW	128,730	613	210	TN	WB5DW	8,190	126	65	TX
AA3B	630,036	1892	333	PA	KØLUZ	124,845	609	205	FL	N5JGE	3,402	63	54	TX
K3WW	487,599	1519	321	PA	K4FN	121,588	538	226	KY	AB5XM	3,068	59	52	TX
K3MM	400,180	1177	340	MD	N8KH	110,898	549	202	FL	NQ5M	874	46	19	TX
N3RD	399,900	1290	310	PA	K4NMR	108,192	483	224	FL	KC6ZBE	315	21	15	OK
W8FJ	319,464	1044	306	PA	WK9M	105,260	554	190	TN	NE5ET	300	20	15	TX
W3MA	239,730	786	305	PA	AD8J	105,001	533	197	NC		130	13	10	TX
W3KB	230,982	822	281	PA	AD4ES	103,230	558	185	FL	N5ZO	540,876	1644	329	CA
N3AD	221,407	817	271	PA	AC6ZM	99,060	508	195	TN	N6RA (AC6T)	216,688	934	232	CA
*W2GD	193,734	687	282	PA	KY4GS	90,804	644	141	SC	N6ZFO	193,070	898	215	CA
K3AJ	189,750	690	275	MD	WN4AFP	82,251	481	171	SC	W6TK	158,175	703	225	CA
AA3S	154,224	648	238	MD	*K4XL	81,174	489	166	VA	AA2IL	155,150	725	214	CA
NW3Y	143,994	618	233	DE	KE4S	71,344	392	182	VA	W1RH	121,746	591	206	CA
N4ZR	143,880	654	220	MD	K5VIP	71,070	345	206	VA	WX5S	104,544	528	198	CA
K3ZA	136,500	650	210	PA	KE4KY	69,905	451	155	KY	K6EI	90,132	406	222	CA
AC5XK	131,790	690	191	DC	W3US	68,335	395	173	FL	K6GHA	80,626	443	182	CA
WA3AER	127,596	651	196	MD	WA4JUK	65,037	399	163	VA	K6MM	49,580	268	185	CA
K3QP	127,300	670	190	PA	K7T	59,157	313	189	FL	WU6X	45,698	313	146	CA
N3FZ	118,188	603	196	MD	NØOJ	57,023	449	127	FL	K6RIM	41,480	244	170	CA
K3CY	113,220	612	185	PA	N4NTO	56,980	370	154	NC	K6NV	34,970	269	130	CA
AG3I	108,768	528	206	PA	NG2J	51,992	388	134	GA	WA6HKK	27,025	235	115	CA
W3RGA	106,406	641	166	PA	W2XYZ	51,496	314	164	FL	*WQ6X	24,300	225	108	CA
K3CCR (N3UM)	104,566	539	194	MD	W4LT	50,605	349	145	FL	K6EU	22,002	193	114	CA
WA3AAN	102,114	558	183	PA	N3MN	47,125	325	145	VA	NE6I	21,311	211	101	CA
KB3Z	94,536	468	202	PA	K3WT	46,443	339	137	FL	NT6X	18,972	186	102	CA
AA3R	93,522	429	218	DE	KØZR	43,429	317	137	VA	N6VOH	13,932	172	81	CA
N3NR	81,705	419	195	PA	W4VIC	41,322	291	142	VA	K16OY	12,264	146	84	CA
K3EW	77,900	410	190	MD	K2ZR/4	40,120	295	136	FL	KØDTJ	10,707	129	83	CA
K3FI (W3WHK)	56,970	422	135	PA	KU1T	40,040	308	130	FL	N6VH	10,624	128	83	CA
K3FH	39,345	305	129	PA	N3CW	39,474	258	153	VA	KN6BAZ	6,480	108	60	CA
W3UL	34,432	269	128	MD	N3KN	37,296	296	126	VA	WF6F	3,700	74	50	CA
NF3R	30,702	238	129	PA	KM4HI	33,912	216	157	FL	K9YC	1,404	54	26	CA
NN3RP	29,670	258	115	DC	K4BSK	33,394	283	118	NC	K6CTA	1,302	42	31	CA
K3PP	27,889	167	167	PA	K2KW	30,618	378	81	VA	KA5WSS	1,254	38	33	CA
WC3N	26,187	203	129	MD	K4LW	30,600	255	120	FL	W6KC	609	29	21	CA
WN3F	23,754	222	107	DC	KG4IGC	27,324	207	132	SC					
KD3TB	23,400	195	120	PA	*W1IE	25,935	195	133	VA	KY7M (@NA7TB)	405,756	1156	351	AZ
K3SW	22,487	199	113	PA	K4AFE	24,640	224	110	TN	K8IA	341,925	1175	291	AZ
W3MAM	21,209	167	127	MD	AAØO	24,128	208	116	FL	KØSN	341,334	1134	301	MT
KA3D	20,996	181	116	PA	W4UT	23,364	198	118	TN	K6LL	332,220	1130	294	AZ
N3FJP	20,664	164	126	MD	AA4NP	23,331	231	101	FL	N7XU (K4XU)	310,896	1143	272	OR
N3RS	13,943	191	73	PA	KN4VKW	19,012	196	97	TN	K7QA	278,721	1147	243	MT
4U1WB (AJ3M)	13,875	185	75	DC	W8KRZ	17,820	162	110	VA	KC7V	232,764	978	238	AZ
KB3AY	11,023	151	73	MD	K3ZGA	15,753	177	89	FL	K6WSC	171,954	699	246	AZ
W3RE	7,040	110	64	PA	K4RFK	14,694	158	93	FL	N7QT	169,420	860	197	WA
W3YR	6,386	103	62	MD	K4GM	13,338	171	78	VA	K7WP	168,270	710	237	AZ
AC3RA	5,450	109	50	PA	W4NNF	11,622	149	78	AL	WS7L	162,877	737	221	OR
K3RMB	5,400	90	60	PA	KB4DE	11,622	149	78	SC	N7IP	147,616	659	224	OR
KC3SVR	4,800	100	48	MD	NJ4Q	11,508	137	84	VA	K7GA	119,790	726	165	AZ
WY3A	3,723	73	51	PA	K2SG	11,154	169	66	FL	KA6BIM	113,305	527	215	OR
KI7WX	3,444	84	41	PA	*KJ4YM	10,998	141	78	GA	AA7V	100,344	444	226	AZ
W3TAS	3,404	74	46	DE	WØLL (K8FC)	8,625	115	75	FL	K17Y	87,472	497	176	OR
K3TEF	3,096	72	43	PA	KS4X	8,056	106	76	TN	WC7Q	83,592	516	162	WA
ND3D	903	43	21	MD	K2WK	6,200	100	62	VA	KK7RR	82,880	448	185	AZ
N3RM	234	18	13	PA	N4GU	6,018	102	59	NC	W7XT	74,947	503	149	MT
AD4EB	398,772	1254	318	TN	K1CTR	5,700	100	57	FL	KC7EFP	71,700	478	150	WA
N2NL	378,000	1125	336	FL	NN4TT	5,684	98	58	FL	WA7CPA	63,896	392	163	WA
N4ZZ	372,783	1191	313	TN	K4DXV	5,487	93	59	TN	K7UT	61,576	358	172	UT
N1LN	356,190	1149	310	NC	AA8R	5,074	86	59	FL	W4IDX	52,824	372	142	AZ
N2YO	267,817	1067	251	VA	N4DPM	4,750	95	50	FL	W9PL	38,624	284	136	WA
N4EEB	251,433	819	307	FL	KN4ZXG	4,675	85	55	VA	WB6JJJ	34,798	254	137	OR
W4NF	228,453	813	281	VA	NG4L	4,335	85	51	FL	KD7HU	26,950	245	110	MT
K5KG	222,300	780	285	FL	WM4Q	3,450	69	50	TN	WN6W	18,228	186	98	OR
AA5JF	222,194	826	269	GA	K4KO	1,767	57	31	TN	*K7RT	14,490	161	90	MT
N6AR	213,400	776	275	FL	N3GTG	1,716	44	39	VA	WAØWWW	13,420	122	110	WA
NE8P	209,844	783	268	FL	KO4UHE	1,472	46	32	KY	WA7AXT	9,398	127	74	WA
N4IQ	209,208	758	276	SC	W4RN	946	43	22	VA	W7RIP	8,494	137	62	MT
WO4O	208,647	717	291	FL	WA4IPU	702	27	26	FL	N7JB	6,048	108	56	WA
K2SX	205,110	795	258	SC	KU4FX	696	29	24	FL	N7AKG	5,916	102	58	OR
K2AV	201,502	778	259	NC	AA2MA	465	31	15	AL	N9NA	5,096	91	56	AZ
N4AO (WC4E)	199,472	728	274	FL	K8LF	399	21	19	VA	NM7W	5,046	87	58	WY
N4XL	197,400	705	280	SC	N9KY	1	1	1	KY	KJ7MEB	2,537	59	43	UT
W4RM	192,768	753	256	NC						AL2F	1,650	55	30	KL7
KY4ID	184,758	742	249	SC	N5RZ	422,241	1451	291	TX	KG7MVH	1,564	46	34	WA
NJ4P (KC1KUG)	184,580	839	220	TN	K5KU	272,349	1179	231	LA	W1DGL	224	16	14	AZ
N4TY	174,921	879	199	KY	W5TM	249,964	874	286	OK	K7MK	192	16	12	ID
N1TO	173,140	787	220	FL	WØVX	158,096	656	241	TX	NJ7G	143	13	11	AZ
N1TO	173,140	787	220	FL	WØVX	158,096	656	241	TX	**NN7SS	143	13	11	WA
K4FT	171,385	755	227	SC	W5JK	95,076	556	171	TX	KB7BTO	6	3	2	WA
N3JT	171,360	720	238	VA	K5TIA	72,312	393	184	TX					
WA1S	170,940	740	231	FL	K5CI	52,578	414	127	TX	KE8G	142,080	740	192	OH
N1RM	159,159	689	231	VA	*N5YT	45,296	298	152	MS	N8EA	141,026	659	214	MI
N4KH	156,090	726	215	AL	K5UV	33,156	307	108	OK	KE3K	134,676	522	258	MI
NN4NN (K3SV)	138,774	606	229	FL	N5WNG	26,418	238	111	TX	K8BL	90,472	526	172	OH
N4FP	138,697	611	227	FL	WDØGTY	16,791	193	87	OK	K8BZ	64,350	429	150	MI

Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH	Call Sign	Score	QSOs	Mults	QTH
W8TB	52,003	323	161	OH	NNØG	60,480	448	135	CO	VE5KS	74,670	393	190	SK
K8GT	43,248	272	159	MI	WØPSY	45,192	269	168	CO	VE9VIC	62,834	353	178	NB
N8KOM	30,784	208	148	MI	*NØLY	44,289	399	111	MO	VE3VY	62,146	386	161	ON
W8PI	30,504	246	124	MI	KØAV	20,876	307	68	CO	VE4GV	46,443	339	137	MB
KI6DY	25,250	250	101	OH	KØVG	17,472	168	104	MN	VE3FP	20,300	203	100	ON
KV8O (K8PGJ)	25,220	260	97	MI	W6GMT	17,460	180	97	MN	VE3PJ	19,474	182	107	ON
N8HRZ	23,760	220	108	OH	KØWRY	15,041	169	89	KS	VE3KTB	19,107	193	99	ON
N8VV	21,939	213	103	OH	AIØY	11,088	154	72	ND	VA3TMV	17,672	188	94	ON
K8YE	20,544	192	107	MI	NØKQ	7,875	125	63	CO	VE3JZT	16,758	171	98	ON
WE8L	12,525	167	75	OH	KØBGT	7,134	123	58	MN	VA2CZ	16,137	163	99	QC
W8XY	6,783	119	57	OH	WØOS	6,954	114	61	ND	VA3ROC	11,786	142	83	ON
W8EH	4,182	102	41	OH	NØUJT	6,600	120	55	NE	VE3SSR	8,505	135	63	ON
*K8ZT	3,654	63	58	OH	KØTLG	5,976	83	72	MN	VA3IK	4,972	113	44	ON
AC8ZU	4	2	2	OH	N5KB	5,888	92	64	IA	VE3FZ	4,819	79	61	ON
					NFØN	3,300	75	44	NE	VA2UR	4,187	79	53	QC
K9CT	381,348	1177	324	IL	KSØAA	1,734	51	34	KS	VE3HZ	1,496	44	34	ON
KG9X	331,248	1072	309	IL	NNØJS	525	25	21	MO	VE3XD	1,058	46	23	ON
WT9U	318,795	1203	265	IN	*NØMII	300	20	15	MO	VE7BLW	486	27	18	BC
NE9U	258,168	1041	248	WI						*VE3GMZ	336	28	12	ON
N7US	243,600	812	300	IL	VE3EJ	432,563	1409	307	ON	VA6TI	315	21	15	AB
W9RE	240,570	990	243	IN	VE3MGY	307,377	1071	287	ON	VE3OU	16	4	4	ON
N9TTK	228,484	956	239	IN	VE5SF	264,852	1051	252	SK					
K9WO	205,000	820	250	WI	VE5UO	178,848	864	207	SK	NP2X (K9VV)	387,205	1295	299	KP2
K9NW	180,200	680	265	IN	VA7DX	164,970	702	235	BC	KP3W	5,369	91	59	KP4
KX9RT	162,207	603	269	WI	VE3NNT	149,240	820	182	ON					
KYØQ	156,170	679	230	IL	VE3GFN	147,159	591	249	ON	EA7TG	288	18	16	DX
K9PW	149,036	703	212	IL	VE7KW	136,200	681	200	BC	EA2AZ	42	7	6	DX
WB8BZK	138,859	581	239	IL	VE4VT	115,515	453	255	MB	JN1THL	35	7	5	DX
W9XS	116,586	762	153	IL	VE9XX	113,866	578	197	NB	JK2VOC	4	2	2	DX
*N9LQ	114,823	577	199	IL	VE2FK	104,940	583	180	QC	LZ1YF	4	2	2	DX
N9CO	106,236	454	234	IL	VE3MV	99,990	505	198	ON					
AC9S	103,878	522	199	IL	VA3EC	97,500	500	195	ON	*QRP				
W9ET (WB9SBD)	66,608	368	181	WI	VE7ZO	77,285	533	145	BC					
K9QC	64,155	329	195	WI										
K9KJ	61,899	439	141	IN										
AB9YC	57,090	346	165	IL										
WØELT	51,834	318	163	WI										
K9NO	50,808	348	146	IL										
N9UNX	45,024	402	112	IN										
AI9T	43,120	220	196	IL										
KØTQ	41,613	291	143	IN										
KC9K	40,261	247	163	IL										
W9PDS	38,205	283	135	IL										
WT9Q	34,935	255	137	WI										
W9XT	31,501	289	109	WI										
KF9VV	30,900	300	103	WI										
WA9LEY	28,768	248	116	IL										
AA9RK	28,768	248	116	WI										
N5EP	22,989	237	97	IL										
WO9B	21,094	199	106	WI										
WE9R	20,400	200	102	WI										
KC9EE	18,779	211	89	IL	NX6T (@WA6TQT)	544,492	1924	283	CA					
K9BTQ	17,940	195	92	WI										
KC9YL	16,910	190	89	WI	N6RO	544,420	1692	326	CA					
W2LCQ	10,962	126	87	IL	K5RM	480,572	1516	317	AR					
KC9EOQ	8,349	121	69	IL	N0W	478,195	1621	295	MO					
KR9U	5,376	84	64	IN	W4KFC/3	473,478	1679	282	MD					
N8HWV	2,870	70	41	WI	W5WZ	367,640	1414	260	LA					
*AB9BZ	1,504	47	32	IL	N4UU	353,508	1330	267	FL					
AE9LL	1,218	42	29	IN	KE3X	267,189	1209	221	DC					
W9HHX	12	4	3	WI	K3Z	253,667	957	269	VA					
					K3MTR	242,121	957	253	MD					
NSØR	366,885	1315	279	KS	VE7SAR	149,040	828	180	BC					
KTØA	315,491	1247	253	SD	W4TG	145,188	666	218	VA					
ABØS	278,278	1001	278	KS	VE9ML	106,191	513	207	NB					
WØAAE	262,305	1305	201	MN	K8LX	87,285	529	165	MI					
NWØM	227,766	957	238	MO	W5GAD	76,032	528	144	LA					
KØWA	220,116	996	221	KS	N1YL	67,196	428	157	MA					
K4IU	213,344	904	236	MN	W2SO	34,810	295	118	NY					
KØVBU	202,704	824	246	KS	K4XY	8,928	124	72	VA					
NØTA	195,674	862	227	CO	W6SFM	4,884	111	44	CA					
AD1C	184,470	946	195	CO	N1SOH	720	30	24	MA					
KØRC	163,201	557	293	MN	W4LX	130	13	10	FL					
KEØUI	161,310	849	190	CO										
KØHB	130,152	561	232	MN										
NXØI	122,760	558	220	MO										
AAØAW	114,296	628	182	MN										
KØFVF	88,678	439	202	MN										
W7II	67,000	335	200	IA										

Check Logs: AA8TA, AF2F, AF5J, AK3B, JG7PSJ, K1BUK, K3JWI, K4BBH, K5DU, K5NA, K9PY, KA8G, KR7X, M3F, N1NN, N1RR, N2BA, N2MEE, N2TTA, N2ZA, N4LSJ, N4NT, N5W, N6TQ, N6WT, N7HYV,

N7RVD, N8KQ, NA4J, NO8C, NT2DR, OH5ZA, PY2ZEA, VA7GI, W1ARY, W3RZ, W7CO, WA2VIU,

WA7YAZ, WM3X, WN7S